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1646

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/601,371

DATE: 10/01/2001

TIME: 09:42:35

Input Set : A:\49927-sequence.txt

Output Set: N:\CRF3\10012001\I601371.raw

4 <110> APPLICANT: SEYA, Tsukasa  
 5 MATSUMOTO, Misako  
 7 <120> TITLE OF INVENTION: CYTOKINE INDUCERS COMPRISING M-61  
 10 <130> FILE REFERENCE: 49927 (71526)  
 12 <140> CURRENT APPLICATION NUMBER: 09/601,371  
 13 <141> CURRENT FILING DATE: 2000-12-05  
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00414  
 16 <151> PRIOR FILING DATE: 1999-02-01  
 18 <150> PRIOR APPLICATION NUMBER: 10-32384/1998  
 19 <151> PRIOR FILING DATE: 1998-01-30  
 21 <160> NUMBER OF SEQ ID NOS: 2  
 23 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 1621  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Mycoplasma Fermentas  
 30 <400> SEQUENCE: 1

ENTERED

ENTERED

31	aaggagatta	tatgaaaaag	tcaaaaaaaa	ttttattagg	attgagtcct	attgctgcta	60
32	ttcttctctgc	agtagctgtt	tcttgtggaa	acaacgatga	atccaatatt	tcattcaaag	120
33	agaaaagatat	tagtaaatat	accacaacaa	atgctaattg	aaaacaagtt	gttaaaaaacg	180
34	ctgaattgtt	aaaattgaaa	ccagttctta	ttacagatga	aggtaaaatt	gatgataaat	240
35	catttaacca	atcagctttt	gaagctttta	aagctataaa	taaacaaact	ggtattgaaa	300
36	ttaacaatgt	tgaacctagc	tcaaaacttg	aaagtgccta	caacagtgca	ctttcagccg	360
37	gacacaaaat	ttgagtactt	aatggcttca	aacaccaaca	atctattaaa	caatacattg	420
38	atgctcacag	agaagaactt	gaaagaaatc	aatcaaaaat	cattgggtatc	gactttgata	480
39	ttgaaacaga	gtacaagtga	ttctactcat	tacaattcaa	tattaaagaa	tctgcattta	540
40	caacaggcta	tgcaattgca	agttgattaa	gtgaacaaga	tgaaagtaaa	agagttgttg	600
41	catcatttgg	tggaggtgca	ttcccagggtg	ttacaacatt	taacgaaggt	tttgcaaaaag	660
42	gtattctata	ctacaaccaa	aaacataaat	caagtataat	ttaccacaca	tcacctgtta	720
43	aattagactc	aggttttact	gctgggtgaaa	aaatgaacac	tggttattaat	aatgttttat	780
44	cttcaacacc	agctgatgtt	aaatacaacc	cacatgttat	cttatctgtt	gctggacctg	840
45	ctacatttga	aactgtaaga	ttagcaaaca	aaggtcaata	tgtaattggg	gttgactcag	900
46	accaaggcat	gattcaagac	aaagacagaa	ttcttacatc	agttctaaaa	cacattaaac	960
47	aagctgttta	tgaacatta	ttagatctta	ttcttgaaaa	agaagaagga	tataaaccat	1020
48	atgtagttaa	agacaaaaaa	gcagacaaaa	aatgaagcca	ctttggaact	caaaaagaaa	1080
49	aatgaatcgg	tgtcgcagaa	aaccacttct	caaatacaga	agaacaagca	aaaattaata	1140
50	acaaaattaa	agaagcaatt	aaaatgttta	agaattacc	agaagatttc	gttaaatata	1200
51	ttaatagtga	caaagcttta	aaagatggta	ataaaattga	caatgttagt	gaaagattag	1260
52	aagcaattat	ttctgtctatt	aacaaggcag	caaaaataatt	aatcaaaaaa	atgctggaaa	1320
53	atatccagca	ttttttattt	taaatatgaa	aaaagtatat	ttttttgtta	atttttgaag	1380
54	aaattagata	aaacagtttt	tccgtttttg	tcttcaaata	agataaataa	gagaaaaaag	1440
55	gttgtaaaaac	tgcttaagaa	aaaaagagtt	ggaaaacata	aaagttaaag	accaaatatt	1500
56	ttaactattt	atgactttga	gatggatacg	gttcatgggt	gtagaatgga	tgaatatttc	1560
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58	a						1621
60	<210>	SEQ ID NO: 2					
61	<211>	LENGTH: 428					

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```

62 <212> TYPE: PRT
63 <213> ORGANISM: Mycoplasma Fermentas
65 <400> SEQUENCE: 2
66 Met Lys Lys Ser Lys Lys Ile Leu Leu Gly Leu Ser Pro Ile Ala Ala
67   1           5           10           15
68 Ile Leu Pro Ala Val Ala Val Ser Cys Gly Asn Asn Asp Glu Ser Asn
69           20           25           30
70 Ile Ser Phe Lys Glu Lys Asp Ile Ser Lys Tyr Thr Thr Thr Asn Ala
71           35           40           45
72 Asn Gly Lys Gln Val Val Lys Asn Ala Glu Leu Leu Lys Leu Lys Pro
73           50           55           60
74 Val Leu Ile Thr Asp Glu Gly Lys Ile Asp Asp Lys Ser Phe Asn Gln
75 65           70           75           80
76 Ser Ala Phe Glu Ala Leu Lys Ala Ile Asn Lys Gln Thr Gly Ile Glu
77           85           90           95
78 Ile Asn Asn Val Glu Pro Ser Ser Asn Phe Glu Ser Ala Tyr Asn Ser
79           100          105          110
80 Ala Leu Ser Ala Gly His Lys Ile Trp Val Leu Asn Gly Phe Lys His
81           115          120          125
82 Gln Gln Ser Ile Lys Gln Tyr Ile Asp Ala His Arg Glu Glu Leu Glu
83           130          135          140
84 Arg Asn Gln Ile Lys Ile Ile Gly Ile Asp Phe Asp Ile Glu Thr Glu
85 145          150          155          160
86 Tyr Lys Trp Phe Tyr Ser Leu Gln Phe Asn Ile Lys Glu Ser Ala Phe
87           165          170          175
88 Thr Thr Gly Tyr Ala Ile Ala Ser Trp Leu Ser Glu Gln Asp Glu Ser
89           180          185          190
90 Lys Arg Val Val Ala Ser Phe Gly Gly Gly Ala Phe Pro Gly Val Thr
91           195          200          205
92 Thr Phe Asn Glu Gly Phe Ala Lys Gly Ile Leu Tyr Tyr Asn Gln Lys
93           210          215          220
94 His Lys Ser Ser Lys Ile Tyr His Thr Ser Pro Val Lys Leu Asp Ser
95 225          230          235          240
96 Gly Phe Thr Ala Gly Glu Lys Met Asn Thr Val Ile Asn Asn Val Leu
97           245          250          255
98 Ser Ser Thr Pro Ala Asp Val Lys Tyr Asn Pro His Val Ile Leu Ser
99           260          265          270
100 Val Ala Gly Pro Ala Thr Phe Glu Thr Val Arg Leu Ala Asn Lys Gly
101           275          280          285
102 Gln Tyr Val Ile Gly Val Asp Ser Asp Gln Gly Met Ile Gln Asp Lys
103           290          295          300
104 Asp Arg Ile Leu Thr Ser Val Leu Lys His Ile Lys Gln Ala Val Tyr
105 305          310          315          320
106 Glu Thr Leu Leu Asp Leu Ile Leu Glu Lys Glu Glu Gly Tyr Lys Pro
107           325          330          335
108 Tyr Val Val Lys Asp Lys Lys Ala Asp Lys Lys Trp Ser His Phe Gly
109           340          345          350
110 Thr Gln Lys Glu Lys Trp Ile Gly Val Ala Glu Asn His Phe Ser Asn
111           355          360          365

```

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```

112 Thr Glu Glu Gln Ala Lys Ile Asn Asn Lys Ile Lys Glu Ala Ile Lys
113      370                      375                      380
114 Met Phe Lys Glu Leu Pro Glu Asp Phe Val Lys Tyr Ile Asn Ser Asp
115      385                      390                      395                      400
116 Lys Ala Leu Lys Asp Gly Asn Lys Ile Asp Asn Val Ser Glu Arg Leu
117      405                      410                      415
118 Glu Ala Ile Ile Ser Ala Ile Asn Lys Ala Ala Lys
119      420                      425

```

## VERIFICATION SUMMARY

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